

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/003824

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04M19/08

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 009 156 A (TADIRAN TELECOMMUNICATIONS LIM) 14 June 2000 (2000-06-14) column 1, line 10 - line 38 column 2, line 14 - line 17 column 3, line 7 - line 14 column 3, line 36 - line 45 column 4, line 3 - line 17 column 4, line 46 - column 7, line 11; figures 1,2	1-14
X	US 6 236 664 B1 (ERREYERS JAN) 22 May 2001 (2001-05-22)	1,12
A	column 5, line 60 - column 6, line 8  ----- -/-	2-11,13, 14

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

16 November 2004

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24/11/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	WO 01/31845 A (SAMSUNG ELECTRONICS CO LTD) 3 May 2001 (2001-05-03) page 1, line 32 - page 2, line 25 page 9, line 32 - page 12, line 25 page 13, line 22 - line 23 figures 1,3,8	1-12
A	----- FISHER S ED - INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS: "Powering active nodes in active loops" COMMUNICATIONS - RISING TO THE HEIGHTS. DENVER, JUNE 23 - 26, 1991, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON COMMUNICATIONS, NEW YORK, IEEE, US, vol. VOL. 1, 23 June 1991 (1991-06-23), pages 929-935, XP010044027 ISBN: 0-7803-0006-8 cited in the application paragraph '04.4!	1-12
A	----- WO 01/22716 A (ERICSSON TELEFON AB L M) 29 March 2001 (2001-03-29) page 4, line 26 - page 6, line 23 -----	1-12

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Information on patent family members

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			CN 1140975 C	03-03-2004
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